

25X1

Ref: 1305-0D-102

21 September 1964

25X1

Post Office Box 9474
Rosslyn Station
Arlington, Virginia 22209

Subject: [redacted] Project SC-1305
Progress Report, July-August 1964

25X1

Gentlemen,

Enclosed are four (4) copies of [redacted] progress
Report on Project SC-1305 for the period July-August 1964.

25X1

Very truly yours,

25X1

President

ARB/de

Encl: (4) P.R. - 6 pp.

PROGRESS REPORT
For
AUTOMATIC STEREO CORRELATOR
OC 1305

"Construction of Breadboard System of an Automatic Stereo
Correlator and Evaluation of the Performance Capabilities of such
a System"

Period Covered: July - August 1964
Date: 14 September 1964
Job No.: OC 1305
Document No.: OD-100

This first progress report on job 'C 1305 covers the period from July through August 1964. During two weeks of this period the plants annual vacation shutdown occurred. The contract calls for the construction and evaluation of a breadboard system for "Automatic Stereo Correlation" as proposed for 552 ISC.

CURRENT STATUS OF WORK

Work has been scheduled and personnel assigned to expedite completion of the project. Significant design decisions affecting the purchase of major components have been made. A servo amplifier and motor suitable for use in the X-Y axes control, the zoom magnification control, and the image rotation control has been purchased and found satisfactory for these applications. The use of identical motors and amplifiers for all applications results in an economy that will permit more time to be spent on system evaluation. Optical design and the task of adapting an layout machine for use as a servoed carriage has begun.

25X1

PROBLEM AREAS ENCOUNTERED

Outside of the time lost due to the vacation period and two holidays, no problem areas have been encountered.

DOCUMENTATION OF VERBAL COMMITMENTS AND/OR AGREEMENTS

None made.

PROJECTED WORK FOR THE NEXT REPORTING PERIOD

During the next reporting period the entire mechanical design and simulated tests on the X axis channel will be completed. Since the other three channels will be of almost identical design, this will represent a significant milestone. It is anticipated that the majority of purchased parts will have been received and inspected by the end of this period.

Project SC 1305

25X1

1 9 6 4												
SEPTEMBER					OCTOBER					NOVEMBER		
	31 - 4	7 - 11	14-18	21-25	28-2	5 - 9	12-16	19-23	26-30	2 - 6	9 - 13	16-20
Mechanical & Optical Design	←	←	←	←	←							
Preliminary Electrical Design	←	←										
Purchase major parts for scan Electronics, X axis control & illuminating control		←										
Complete design of photo switches breadboard & test		←	←									
Breadboard & test X axis integrator & servo amp.			←	←	←							
Complete X, Y Θ, M channel dwgs.					←	←						
Build complete mechanical control bread-board					←	←	←	←	←			

<div>Project <u>SC 1305</u></div> <div>1 9 6 4</div>												
SEPTEMBER					OCTOBER					NOVEMBER		
Breadboard Illumination Control & Test	31 - 4	7 - 11	14-18	21-25	28 - 2	5 - 9	12-16	19-23	26-30	2 - 6	9 -13	16-20
Breadboard Electronics												
Debug Breadboard												
Update Preliminary Drawings												
Optimization of Scanning												